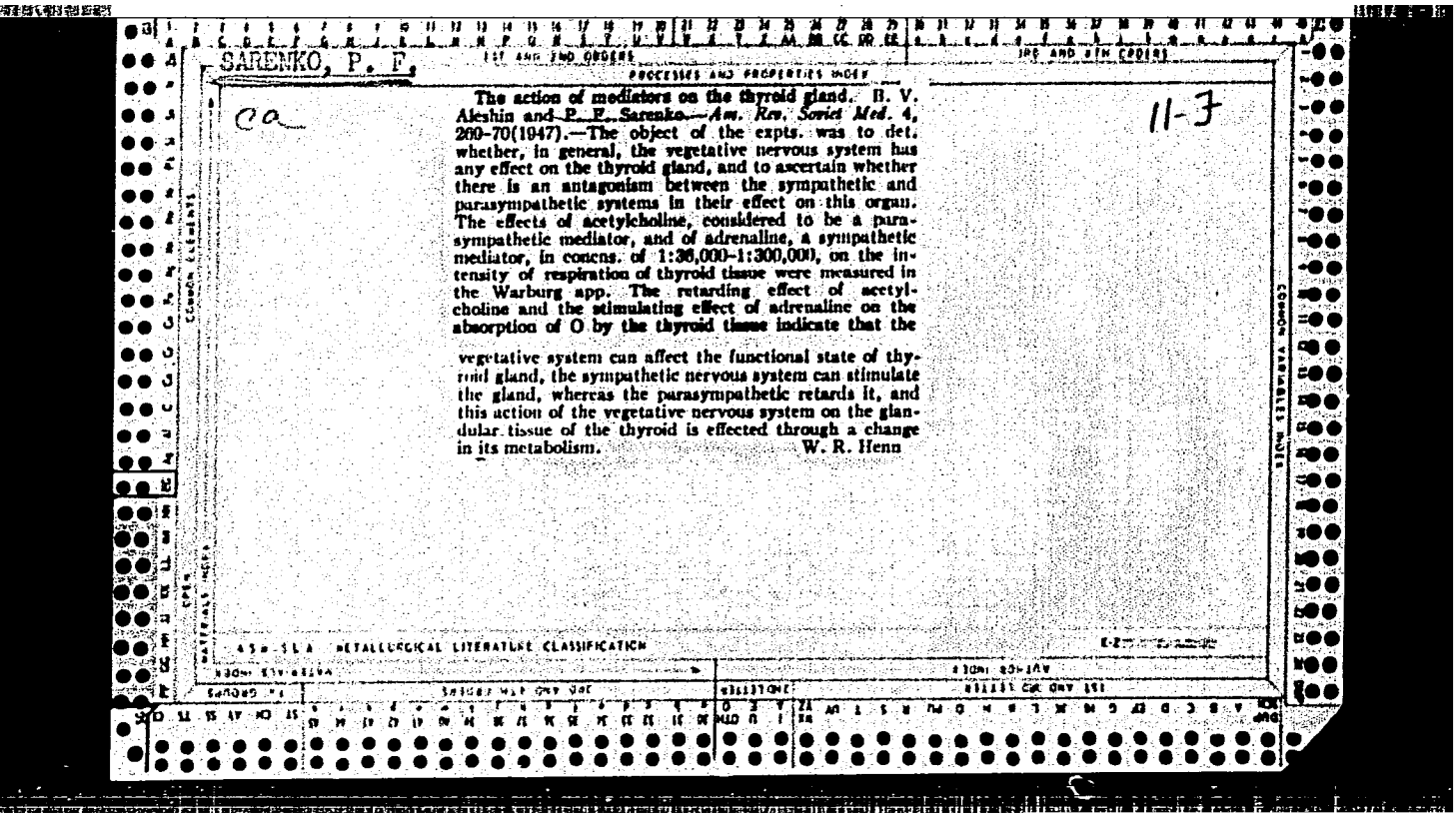
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8



SARENKO, P. F.

PROCESSES AND PROPERTIES INDEX

Ca

11-F

The action of mediators on the thyroid gland. B. V. Aleshin and P. F. Sarenko.—*Am. Rev. Soviet Med.* 4, 269–70(1947).—The object of the expts. was to det. whether, in general, the vegetative nervous system has any effect on the thyroid gland, and to ascertain whether there is an antagonism between the sympathetic and parasympathetic systems in their effect on this organ. The effects of acetylcholine, considered to be a parasympathetic mediator, and of adrenaline, a sympathetic mediator, in concns. of 1:36,000–1:300,000, on the intensity of respiration of thyroid tissue were measured in the Warburg app. The retarding effect of acetylcholine and the stimulating effect of adrenaline on the absorption of O by the thyroid tissue indicate that the vegetative system can affect the functional state of thyroid gland, the sympathetic nervous system can stimulate the gland, whereas the parasympathetic retards it, and this action of the vegetative nervous system on the glandular tissue of the thyroid is effected through a change in its metabolism. W. R. Henn

METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARENKO, V.

Transportation of shell rock in containers. Mor. flot 18 no.4:12 Ap '58. (MIRA 12:12)

1. Nachal'nik uchastka mekhanizatsii Astrakhanskogo morskogo porta.
(Stone, Crushed--Transportation)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARENKO, V.Ya., inzh; IVANOV, M.M., inzh.

Modernization of cranes produced by the Riga Machinery Manufacturing Plant. Rech.transp. 17 no.9:54-55 S '58. (MIRA 11:11)
(Cranes, derricks, etc.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARF, F.

Sleighs in the highlands of Gorenjsko. p. 137.
(Slovenski Etnograf. Vol. 9, 1956, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957, Uncl.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARF, I.

BRAHAD, B.; PILAT, L.; MOSCOVICI, B.; LILLIS, M.; PETRESCU, L.; SARF, I.

Etiology of pneumoconioses in coal miners. Probl. ter., Bucur. no.7:141-150 1957.

(PNEUMOCONIOSIS
in coal miners, incidence & etiol.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, B.

Role of soil conditions in the development of local peculiarities of agriculture in the Danube-Tisza area. p. 195. Vol4, No.2, 1955. FOLDRAJZI ERTESITO. Budapest Hungary.

So: Eastern European Accession. Vol 5, No.4, April 1956

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, B.

Bela Bulla's doctoral thesis "Peculiarities of the Development of the Configuration of the Hard Crust"; a criticism. p. 252. Vol. 4, No.2, 1955. FOLDRAJZI ERTESITO. Budapest, Hungary.

So: Eastern European Accession. Vol 5, No.4, April 1956

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SZEPESVI, B.

Discussion of Erno Wallner's candidate dissertation.

p. 97. (FOLDRAJZI ERTESITO) Vol. 6, no. 1, 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3, March 1958

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, B.

Some experiences of my study tour in Czechoslovakia

P. 121 (FOLDRAJZI ERTESITO) Vol. 6, no. 1, 1957
Budapest, Hungary

SC: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, No. 3
March 1958

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, B.

Debate on Sandor Leel-Ossy candidate's thesis.

P. 221, (Foldrajzi Ertesito) Vol. 6, no. 2, 1957, Budapest, Hungary

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela

Economic geography of Poland. Foldrajzi ert 9 no.3:392-396 '60.
(EEAI 10:4)

(Poland--Economic conditions)
(Hungarians in Poland)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SZABO, Pal Zoltan, dr., a foldrajztudomanyok kandidatusa; SARFALVI, Bela, tudomanyos munkatars

The Geographical Research Group of the Hungarian Academy of Sciences celebrates the 10th anniversary of its existence. Foldr kozl 10 no.4:363-367 '62.

1. Magyar Foldrajzi Tarsasag elnoke; tudomanyos intezeti igazgato, Pecs; "Foldrajzi Kozlemenyek" szerkeszto bizottsagi tagja (for Szabo).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela

Solemn session of the Research Group of Geography on the 10th anniversary of its existence. Magy tud 69 no.4:266-268 Ap '62.

1. Tudomanyos munkatars, Magyar Tudomanyos Akademia Foldrajztudomanyi Kutatocsoportja.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela

Geographical conference. Magy tud 69 no.11:717-719 N '62.

1. Magyar Tudomanyos Akademia Foldrajztudomanyi Kutato Csoportja tudomanyos munkatarsa, Budapest.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela, tudomanyos munkatars

Economic geographical questions of the migration of the agricultural population. Foldr kozl 12 no.2:97-112 '64.

1. Member, Executive Committee, Hungarian Geographical Society.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela

"Soil utilization map of Italy" by A. Antonietti, C. Vanzetti. Reviewed by Bela Sarfalvi. Foldrajzi ert 13 no.2:241-242 '64.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFALVI, Bela, tudomanyos munkatars

"Foldrajzi Kiadvanyok." Reviewed by Bela Sarfalvi. Magy tud 72 no.1:75-76 Ja '65.

1. Geographical Research Group of the Hungarian Academy of Sciences, Budapest.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFI, Rozsi

Further education of the middle cadres in the field of public health service. Munka 13 no.9:17 S. '63.

1. Orvos-Egeszsegygyi Dolgozok Szakszervezetenek titkara.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFI, Rozsi

Living and working conditions of auxiliary workers at health institutions. Munka 14 no.5:17-18 My'64.

1. Secretary, Trade Union of Physicians and Public Health Workers.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFY, E.

Iron determination in blood serum. Kiserletes orvostud. 3 no.6:470-471 1951. (CIML 21:4)

1. Doctor. 2. Laboratory of Hungarian State Railways Hospital.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

HORANYI, M.; SARFY, Erzsebet H.; Technical assistance: ANDRENYI, J.

On the pathogenesis of pernicious anaemia. III. Effect of vitamin B_{12} on the production of duodenal intrinsic factor. Acta med. acad. sci. Hung. 21 no.1:43-49 '65.

1. Section of Medicine, 19th District Polyclinic, and Central Laboratory, Institute of Sports and Sports Hygiene, Budapest.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SALACZ, Pal, dr.; SARFY, Erzsebet, dr.

Treatment of trichomonas infections with Klion. Orv. hetil. 106 no.50:2353-2365 12 D '65.

1. Orszagos Testnevelesi es Sportegeszsegugyi Intezet, Szuleszeti es Nogyogyaszati Osztaly (vezeto foorvos: Salacz, Pal, dr.) es Kozponti Laboratorium (vezeto foorvos: Sarfy, Erzsebet, dr.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFY, Erzsebet,H.,; SRETER, Ferenc.

Simple phosphatase determination. Kiserletes orvostud. 8 no.3: 333-334 May 56

1. Orszagos Testneveles- es Sportegeszsegugyi Intezet Kozponti Laborat.

(PHOSPHATASES, determ.
gradual photometry, method (Hun))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARFY, Erzsebet, dr.

New results of research on poliomyelitis. Orv. hetil.97 no. 32:869-873 5 Aug 56.

1. Az Orszagos Testnevelesi es Sportegeszsegugyi Intezet (igazgato foorvos: Kovari, Aladai, dr.) Kazponti Laboratoriumanak (foorvos: H. Sarfy, Erzsebet dr.) kozlemenye.
(POLIOMYELITIS
research, progr. (Hun))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

H. SARFY, Erzsebet, dr.; KEREPESI, Maria, vegyesz; technikai asszisztens: WEIGL, Maria

A simple colorimetric method for the determination of serum glutamic-oxalic transaminase. Orv. hetil. 102 no.38:1800-1801 17 S '61.

1. Orszagos Testneveles- es Sportegeszsegugyi Intezet Kozponti Laboratorium es az I sz. Szemeszeti Klinika, Budapest.

(TRANSAMINASES blood)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

HORANYI, Mihaly, dr.; SARFY, Erzsebet, H., dr.; Technikai munkatars: ANDRENYI, Jozsefne

Pathogenesis of pernicious anemia. III. Effect of vitamin B-12 on the formation of duodenal intrinsic factor. Orv. hetil. 106 no.7:789-792 25 Ap'65.

1. Budapest, XIX. ker. Rendelointezet-Korhaz, Belosztaly es Orszagos Testnevelesi- es Sportegeszsegugyi Intezet, Kozponti Laboratorium.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGA, M.

SARGA, M. Radio fault detectors. p. 258.

Vol. 5, No. 11, Nov. 1955.
RADIOTECHNIKA
TECHNOLOGY
Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGASKAYEV, T.B.

Geophysical studies in the Chu - Sary-Su Depression and principal results therefrom. Izv.AN Kazakh.SSR.Ser.geol.nauk no.4: 15-24 '63. (MIRA 16:9)

1. Kazakhskiy geofizicheskiy trest Ministerstva geologii i okhrany nedr KazSSR, g. Alma-Ata.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGAUTENE, G.G.

Dermatosis caused by nematode larvae. Vest.derm.i ven. no.8: 41-45 '62. (MIRA 15:9)

1. Iz Klaypedskogo gorodskogo kozhno-venerologicheskogo dispansera Litovskoy SSR (glavnyy vrach P.P. Yanushkyavichyus).
(NEMATODA) (SKIN--DISEASES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGAZAKOV, D.S.

Alkaloids of Gentians tianschanica rupr. Izv. AN Kir. SSR. Ser. est. i tekh. nauk 2 no.5:103-105 '60. (MIRA 13:9)
(Alkaloids)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

LEBEDEV, Vasiliy Ivanovich; SARGIN, Yu.N., red.; BILENKO, L.S., red.izd-va; FOMICHEV, P.M., tekhn.red.

[Local building materials; a practical manual] Mestnye stroitel'nye materialy; prakticheskoe posobie. Moskva, Izd-vo TSentrosoiuza, 1961. 98 p. (MIRA 15:2)
(Building materials)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGINA, G.N.

Experience in the operation of ASN-2 units for semi-automatic hermetic pouring of gasoline into tank cars. Transp. i khran. nefti pt. c no.2:26-28 '63. (MIRA 17:10)

1. Chaginskaya neftebaza Moskovskogo upravleniya Glavnogo upravleniya po transportu i snabzheniyu neft'yu i nefteproduktami RSFSR.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

MORAVEK, O., inz.; SARGON, F., inz.; KISA, L., inz.

The 1st Congress of Chemical Engineering, Mechanical Engineering and Automation. Strojirenstvi 13 no.1:68-73 Ja '63.

1. Vyzkumny ustav chemickych zarizeni, Kralovopolske strojirny.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

MORAVEK, O., inz.; SARGON, F., inz.; KISA, L., inz.

First International Congress of Chemical and Mechanical Engineering and Automation. Strojirenstvi 13 no.5:389-392 My '63.

1. Vyzkumny ustav chemickych zarizeni Kralovopolske strojirny.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGONOVA, N.

MD

Neurohumoral influences on the gastric secretion. II. The action of low doses of histamine on the gastric secretion of dogs and an attempt to influence this secretion by means of the antihistamine substance Spofa 325 (Alphadryl). J. Kohout, L. Korbová, and N. Sargonová (Ust. pro všeobec. a pokus. pathol., Praque) ~~Casopis Lékařů Českých~~ 94, 204-8(1955).—Gastric fistula was induced in 12 dogs and a Pavlovian "small stomach" in some of them. After subcutaneous injection of 5-200 γ histamine (I) an increase of gastric secretion was noted. The juice was of mucinous nature; in most cases there was also an increase of pepsin concn. and overall acidity. Free HCl appeared after different doses of I in some of the dogs. Administration of 1 ml. water influenced the secretion only slightly or not at all. When the antihistamine Alphadryl (α-methylbenzhydryl 2-dimethylaminoethyl ether hydrochloride) was administered 0.5 hr. before the administration of I, a decrease of gastric secretion by 40-60% was noted in 12 out of 15 expts. Total acidity was also lower than with I alone.

I. M. Hais

(2)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, A.

Methods of organizing multimachine operations. Prom.Arm. 5 no.2:22-23 F '62. (MIRA 15:2)

1. Opytnyy zavod elektronno-vychislitel'nykh mashin Sovnarkhoza Armyanskoy SSR.
(Armenia--Industrial management)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Summation of derivatives from the eigenfunction expansion of the Sturm-Liouville operator. Dokl. AN SSSR 104 no.6:821-824 O '55.
(MLRA 9:3)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. Predstavleno akademikom A.N. Kolmogorovym.
(Eigenfunctions) (Fourier's series)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I. S.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Petropavlovskaya, R. V. (Leningrad). On the Oscillations of Differential Equation $u'' = f(u, u', t)$. 65

Pul'kin, S. P. (Kuybyshev). Tricomi Singular Problem. (of Tricomi). 65-66

Sargsyan, I. S. (Yerevan). On Differentiation of Eigen-function. Sturm-Liouville Operator Expansion. 66-67

Skachkov, B. N. (Leningrad. On the Stability in the Large of One Class of Non-linear Systems of Automatic Control. 67-68

Mention is made of Lur'ye, A. I., Yerugin, N. P. and Pliss, V. A.

There are 3 references, all of them USSR.

Skorobogat'ko, V. Ya. (L'vov). Certain Theorems of the Qualitative Theory of Partial Differential Equations of Second Order. 68-69

Card 20/80

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

LEVITAN, B.M.; SARGSYAN, I.S.

Theorem of the convergence of twice differentiated eigenfunction expansion of the Shturm-Liouville operator. Izv.AN Arm.SSR.Ser. FMET nauk 9 no.3:3-15. '56. (MIRA 9:9)

1.Voyennaya artilleriyskaya inzhenernaya akademiya imeni F.E. Dzerzhinskogo i Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.
(Convergence) (Operators (Mathematics))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

LEVITAN, B.; SARGSYAN, I.

Letter to the editor. Izv.AN Arm.SSR.Ser.FMET nauk 9 no.7:105 '56.
(MLRA 9:11)

(Functions)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Theorem on the summation of derivative expansions into an ordinary and generalized Fourier integral. Dokl.AN Arm.SSR 23 no.1:3-10 '56. (MLRA 9:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova. Predstavleno A.L. Shaginyanom.
(Fourier's series)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I. S.

LEVITAN, B.M.; SARGSYAN, I.S.

Asymptotic evaluation of eigenfunction derivatives of Schroedinger's equation. Izv. AN Arm. SSR. Ser. fiz.-mat. nauk 10 no.5:19-32 '57. (MIRA 11:2)

1. Voyennaya inzhenernaya artilleriyskaya akademiya im. F.E. Dzerzhinskogo i Institut matematiki AN ArmSSR.
(Eigenfunctions) (Differential equations, Partial)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

PA - 2894

AUTHOR SARGSYAN I.S.

TITLE On the Differentiation of Developments according to the Eigenfunctions of the Operator of STURM-LIOUVILLE. (O differentsirovanii razlozheniy po sobstvennym funktsiyam operatora Shturma - Liuvillya.- Russian)

PERIODICAL Izvestiia Akad. Nauk SSSR, Ser. Mat. 1957, Vol 21, Nr 2, pp. 263 - 282 (USSR).

Received: 5/1957 Reviewed: 6/1957

ABSTRACT Here the self-adjoint differential equation

$$y'' + \{\lambda - q(x)\} y = 0$$

is investigated which is defined on the semi-straight line $(0,\infty)$. The corresponding initial conditions are: $y(0) = 1$ and $y'(0) = h$. The function $q(x)$ is assumed to be real, defined on the semi-straight line $(0,\infty)$, and summable in any finite interval. The spectrum of this problem is assumed to be non-negative. Further, $\lambda = \mu^2$ $(\lambda \geq 0)$ is assumed to apply. The solution of the above problem is denoted by $\varphi(x,\mu)$ and the spectral function of the above differential by $\Theta(x,s;\mu)$. The present paper investigates the asymptotic behavior of the derivations of the spectral function $\Theta((x,s;\mu)$ and the

given and

CARD 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

PA - 2894

On the Differentiation of Developments according to the Eigenfunction of the Operator of STURM-LIOUVILLE.

Carrying out of computations is arranged as follows: Derivation of auxiliary formulae, provisional evaluation of the derivations of the spectral function, asymptotic behavior of the derivations of the spectral function, some auxiliary lemmata, summation of the derivations of developments according to eigen functions.
(1 illustrations)

ASSOCIATION: Moscow State University.
PRESENTED BY: S.L. SOBOLEV, Member of the Academy.
SUBMITTED: 26.3. 1956.
AVAILABLE: Library of Congress.

CARD 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Convergence of differentiated factorization of Schrodinger's operator by eigenfunctions on a plane. Dokl. AN Arm. SSR 25 no.4:163-169 '57. (MIRA 11:2)

1. Institut matematiki i mekhaniki AN ArmSSR. Predstavleno M.M. Dzhrbashyanom.

(Operators (Mathematics)) (Eigenfunctions)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Differentiated factorization by eigenfunctions of the operator . Dokl. AN Arm. SSR 26 no.4:201-205 '58. (MIRA 11:5)

1.Institut matematiki i mekhaniki Akademii nauk Armyanskoy SSR. Predstavleno M.M. Dzhrbashyanom.
(Operators (Mathematics))
(Eigenfunctions)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Factorization and differentiation of expansions into eigenfunctions of Schrödinger's operator in the case of an infinitely growing potential. Dokl.AN Arm.SSR 27 no.4:193-199 '58. (MIRA 12:1)

1. Institut matematiki i mekhaniki AN Armyanskoy SSR. Predstavleno A.L. Shaginyanom.

(Operators (Mathematics))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

16(1)
AUTHOR: Sargsyan, I.S. SOV/22-11-6-2/10

TITLE: On the Asymptotic Estimations of the Derivative of the Spectral Function of the Schrödinger Operator in the Plane (Ob asimptoticheskikh otsenkakh proizvodnykh spektral'noy funktsii operatora Shredingera na ploskosti)

PERIODICAL: Izvestiya Akademii nauk Armyanskoy SSR. Seriya fiziko-matematicheskikh Nauk, 1958, Vol 11, Nr 6, pp 3-14 (USSR)

ABSTRACT: In the finite, connected domain $D \subset E_2$ with the boundary Γ the author considers the eigen value problem

$$\Delta u + \{\lambda - q(x,y)\} u = 0 \quad , \quad \frac{\partial u}{\partial n}\Big|_{\Gamma} = 0 \quad ,$$ where it is

$$\Delta \equiv \frac{\partial^2}{\partial x^2} + \frac{\partial^2}{\partial y^2} \quad , \quad q(x,y) \text{ real and continuous in } D + \Gamma \ ,$$

n the exterior normal. Let $\theta(x,y,u,v,\mu) = \sum_{\mu_n < \mu} \varphi_n(x,y)\varphi_n(u,v)$,

Card 1/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

On the Asymptotic Estimations of the Derivative SOV/22-11-6-2/10
of the Spectral Function of the Schrödinger Operator in the Plane

$\mu_n^2 = \lambda_n (\lambda_n > 0)$ be the spectral function of the problem ;

$\theta^*(x,y,u,v,\mu)$ the spectral function for $q(x,y) \equiv 0$, i.e.

$\theta^* = \frac{1}{2\pi} \frac{\mu}{r} J_1(\mu r)$, where $J_p(x)$ is the Bessel function of first kind of the order of p and r is the distance of the points (x,y) and (u,v).

Theorem: Let D_η , $\eta > 0$ be the set of those points of D, the distance of which from the boundary is $\geq \eta$. If $q(x,y)$ possesses bounded derivatives of first order in D, then for $(x,y),(u,v) \in D_\eta$ there exists a constant $C = C_\eta$ so that for $a \to \infty$ it holds asymptotically :

Card 2/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

On the Asymptotic Estimations of the Derivative of the Spectral Function of the Schrödinger Operator in the Plane

SOV/22-11-6-2/10

$$\bigvee_{a}^{a+1}\left\{\frac{\partial^2}{\partial x \partial u}\,\theta(x,y,u,v,\mu)\right\} = \sum_{a \le \mu_n \le a+1} \left|\frac{\partial \varphi_n(x,y)}{\partial x}\right| \cdot \left|\frac{\partial \varphi_n(u,v)}{\partial u}\right| < C_\eta\, a^3$$

Besides this main result the author formulates some partially known theorems which are obtained from it (see B.M. Levitan [Ref 1-2]).
There are 6 references, 5 of which are Soviet, and 1 German.

ASSOCIATION: Institut matematiki i mekhaniki AN Armyanskoy SSR (Institute for Mathematics and Mechanics, AS Armenian SSR)

SUBMITTED: December 4, 1957

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

Differentiation of the spectral function of the operator $-\Delta+q(x,y)$. Dokl.AN Arm.SSR 26 no.3:129-134 '58. (MIRA 12:10)

1. Predstavleno M.M. Dzhrbashyanom. (Operators)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARGSYAN, I.S.

One asymptotic formula for eigenvalue distribution of the Schroedinger operator in a two-dimensional space. Dokl. AN Arm. SSR 27 no.3:129-137 '58. (MIRA 11:12)

1.Institut matematiki i mekhaniki AN Armyanskoy SSR. Predstavleno A.L. Shaginyanom.
(Eigenvalues) (Operators (Mathematics))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

16(1) SOV/38-23-3-6/6

AUTHOR: Sargsyan, I.S.

TITLE: Differentiation of Developments in Terms of Eigenfunctions of the Two-Dimensional Schrödinger Operator

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1959, Vol 23, Nr 3, pp 455-488 (USSR)

ABSTRACT: The paper contains the proofs for the theorems announced in [Ref 23,24]. The proofs are essentially based on the methods and the Tauberian theorems for Fourier integrals of B.M.Levitan. 25 partially known theorems and lemmas are formulated. There are 24 references, 18 of which are Soviet, 3 English, 2 Swedish, and 1 German.

ASSOCIATION: Institut matematiki i mekhaniki Ak. nauk Armyanskoy SSR (Institute of Mathematics and Mechanics, AS Arm.SSR)

SUBMITTED: December 30, 1957

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

16.3400, 16.3500

77794
SOV/42-15-1-1/27

AUTHORS: Levitan, B. M., Sargsyan, I. S.

TITLE: Some Problems in the Theory of Sturm-Liouville's Equation

PERIODICAL: Uspekhi matematicheskikh nauk, 1960, Vol 15, Nr 1, pp 3-98 (USSR)

ABSTRACT: The paper deals extensively with problems associated with eigenfunction expansion of the equation

$$y'' + \{\lambda - q(x)\} y = 0, \qquad (0.1)$$

defined on a finite or infinite interval (a, b), where q(x) is summable in every interval [a', b'], $a \leq a' \leq b' \leq b$. The methods usually used in the study of this problem are methods of integral equations and of this problem are methods of integral equations and contour integration. In this paper the authors present a completely new method by which some theorems are derived concerning not only the eigenfunction

Card 1/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

expansion of (0.1) but also expansions in terms of derivatives of eigenfunctions. The general outline of the method is as follows, assuming for simplicity that the spectrum of (0.1) is discrete. Let $\lambda_1, \lambda_2, \ldots, \lambda_n, \ldots$ ($\lambda_n \to \infty$ as $n \to \infty$) be the eigenvalues of (0.1) and $\psi_1, \psi_2, \ldots, \psi_n, \ldots$ be the corresponding eigenfunctions. Together with (0.1) consider the Cauchy problem.

$$\frac{\partial^2 u}{\partial x^2} - q(x)u = \frac{\partial^2 u}{\partial t^2}, \tag{0.2}$$

$$u|_{t=0} = f(x), \quad \left.\frac{\partial u}{\partial t}\right|_{t=0} = 0, \tag{0.3}$$

where f(x) is sufficiently smooth. The solution to problem (0.2) - (0.3) by Fourier method is

$$u(x, t) = \sum_{n=1}^{\infty} c_n \psi_n(x) \cos \mu_n t, \qquad \mu_n = \sqrt{\lambda_n}. \tag{0.4}$$

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

where $c_n = \int_a^b f(x)\psi_n(x)\,dx$.

and by Riemann's method it is

$$u(x, t) = \frac{1}{2}\{f(x+t) + f(x-t)\} + \frac{1}{2}\int_{x-t}^{x+t} w(x, t, s) f(s)\,ds. \qquad (0.5)$$

where w(x, t, s) is the so-called Riemann function of the problem. Since the solution is unique one can equate (0.4) and (0.5) and introducing the step-function

$$\sum_{n=1}^{\infty} c_n\psi_n(x)\cos\mu_n t = \frac{1}{2}\{f(x+t) + f(x-t)\} + \frac{1}{2}\int_{x-t}^{x+t} w(x, t, s) f(s)\,ds. \qquad (0.6)$$

$$S(x, \mu) = \sum_{\mu_n < \mu} c_n\psi_n(x),$$

results in

Card 3/10

$$\int_0^{\infty} \cos\mu t\, d_\mu S(x, \mu) = \frac{1}{2}\{f(x+t) + f(x-t)\} + \frac{1}{2}\int_{x-t}^{x+t} w(x, t, s) f(s)\,ds. \qquad (0.7)$$

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

where the left side is the Fourier-Stieltjes transform of $S(x, \mu)$. For small t the right side of (0.7) is well known and thus also the transform of $f(x, \mu)$. Using this fact and some Tauberian theorems for Fourier integrals it is possible to obtain refined results on convergence of eigenfunction expansion of (0.1). Specifically it is possible to prove a theorem on convergence of the eigenfunction expansion of f(x) and its development in terms of the Fourier integral. This gives a final answer to the expansion of a square integrable function in terms of eigenfunctions. This is also applicable to the investigation of asymptotic behavior of the spectral function of (0.1). Of particular interest is the case when (0.1) is given in the interval $(0,\infty)$ and $q(x) \longrightarrow \infty$ as $x \longrightarrow \infty$. Under this assumption the spectrum of (0.1) is a point-spectrum and the eigenfunctions decrease exponentially. Thus for

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

the existence of the Fourier coefficients it is not necessary to assume that $f \in \psi^2(0,\infty)$ and hence that the series

$$\sum_{n=1}^{\infty} c_n^2$$

converges. The authors present two different derivations of (0.5) and also give justification for using Fourier methods on equation (0.2). The paper is divided into four chapters: (1) deals with the Cauchy problem for one-dimensional wave equation. Solutions for the semi-infinite and finite intervals are given. Chapters (2) and (3) investigate the problem of eigenfunction expansion. Here estimates for the spectral function of (0.1) are given for the straight line $(-\infty, \infty)$ as are also its asymptotic behavior, as well as the behavior of its derivative, on both the infinite and semi-infinite line. The main result of this section is the following:

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

Theorem 2.6.1: Let $q(x)$ be a summable function in every finite interval and let $f(x) \in L^2(-\infty, \infty)$. Then, uniformly in every finite interval the following holds:

$$\lim_{\mu \to \infty} \left\{ \int_{-\infty}^{\mu} f(s) \theta_1(x, s; \mu)\, ds - \frac{1}{\pi} \int_{-\infty}^{\mu} f(s) \frac{\sin \mu (x-s)}{x-s}\, ds \right\} = \int_{-\infty}^{\infty} f(s) \theta(x, s; \infty)\, ds,$$

i.e. the difference of the expansion in terms of the eigenfunctions of the Sturm-Liouville operator and the expansion in terms of the Fourier integral tends to zero uniformly in every finite interval. Here $\theta(x, s, \mu)$ is the spectral function of (0.1) and $\theta_1(x, s, \mu)$ is the spectral function of a modified problem. Chapter (4) examines the eigenfunction expansion for the case $q(x) \to \infty$. As before convergence, asymptotic behavior and estimates for Green's function are investigated. Using Tauberian theorems the following theorem on the distribution

Card 6/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

of eigenvalues is proven:

Theorem 4.4.1: Let q(x) satisfy the following conditions

1° for $r = |\xi - x| \leq 1$

$$|q(\xi) - q(x)| < Cr|q(x)|^{\alpha}. \qquad (4.2.2)$$

where $0 < a < 3/2$

2° for $r \leq 1$

$$q(\xi) < Cq(x). \qquad (4.2.3)$$

3° for $r > 1$

$$q(\xi) < Ce^{\frac{1}{2}r\sqrt{q(x)}}. \qquad (4.2.4)$$

Card 7/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

4° There exists a constant $A > 0$ such that

$$\int_0^{\infty} \frac{dx}{|q(x)|^A} < +\infty. \qquad (4.2.5)$$

Introduce the monotonic function of λ

$$\sigma(\lambda) = \text{mes}\{q(x) < \lambda\}$$

and let

$$\psi_\tau(\lambda) = \int_0^{\infty} (\lambda - \nu)^{1/2} \nu^\tau \, d\sigma(\nu).$$

Assume that there exist positive constants α and β such that for sufficiently large λ the inequality

$$\alpha\psi_\tau(\lambda) < \lambda\psi'_\tau(\lambda) < \beta\psi_\tau(\lambda). \qquad (4.4.1)$$

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

is satisfied. Then for $\lambda \to \infty$

$$\sum_{\lambda_n < \lambda} a_n^{(\nu)} \sim \frac{1}{\pi} \int_0^{\lambda} (\lambda - \nu)^{1/2} \nu^{\tau} \, d\sigma(\nu) = \frac{1}{\pi} \int_{q(x) < \lambda} q^{\tau}(x) \{\lambda - q(x)\}^{1/2} \, dx, \qquad (4.4.2)$$

where

$$a_n^{(\nu)} = \int_0^{\infty} q^{\tau}(x) \varphi_n^2(x) \, dx$$

There are 29 references, 3 U.S., 6 U.K., and 20 Soviet. The most recent U.S. and U.K. references are: E. C. Titchmarsh, Some properties of eigenfunction expansions, Quart. Journ. of Math., Oxford (2) 5 (1954) 59-70; E. C. Titchmarsh, Eigenfunction expansions associated with partial differential equations (III), Proc. London Math. Soc (3) 3, No 10 (1953) 153-159; J. S. Wett, F. Mandl, On the asymptotic distribution of eigenvalues, Proc. Royal Soc. A200 (1950) 572-580; E. A. Coddington, N. Levinson, Theory of ordinary differential equations (Russian translation of English language book) (1958);

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

Some problems in the Theory of Sturm-Liouville's Equation

77794
SOV/42-15-1-1/27

R. Courant, D. Hilbert, Methods of mathematical physics, Vol 2 (Russian translation)(1951).

SUBMITTED: March 3, 1959

Card 10/10

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

L 16102-66 EWT(d)/EWP(1) IJP(c)

ACC NR: AP6003236 SOURCE CODE: UR/0020/65/165/006/1241/1244

24

AUTHORS: Levitan, B. M.; Sargsyan, I. S.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet) B

TITLE: Continuation of solutions of a one-dimensional Dirac system 14,44,55

SOURCE: AN SSSR. Doklady, v. 165, no. 6, 1965, 1241-1244

TOPIC TAGS: differential equation, Cauchy problem

ABSTRACT: The authors treat

$$\left.\begin{aligned} d\varphi_2/dx + p(x)\varphi_1 &= \lambda\varphi_1, \\ -d\varphi_1/dx + q(x)\varphi_2 &= \lambda\varphi_2, \end{aligned}\right\} \qquad x \geqslant 0; \qquad (1)$$

$$\varphi_1(0) = 1, \quad \varphi_2(0) = h, \qquad (2)$$

where h is an arbitrary complex number. They show how to express the solution φ at the point -x in the form of a linear operator over $(\varphi_1(x, \lambda), \varphi_2(x, \lambda))$ $(0 \leq t \leq x)$. Here p(x) and q(x) can be continued to the negative half-axis and 2

UDC: 517.934

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

L 16102-66

ACC NR: AP6003236

$\{\varphi_1(t, \lambda), \varphi_2(t, \lambda)\}$ is the solution of (1), (2). This paper was presented by Academician I. G. Petrovskiy on 27 April 1965. Orig. art. has: 21 formulas.

SUB CODE: 12/ SUBM DATE: 20Apr65/ ORIG REF: 001/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

L 05217-67

ACC NR: AP6029430 SOURCE CODE: UR/0252/66/042/003/0129/0133

AUTHOR: Sargsyan, I. S.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: On the solution of the Cauchy problem for a univariate nonstationary Dirac system

SOURCE: AN ArmSSR. Doklady, v. 42, no. 3, 1966, 129-133

TOPIC TAGS: Cauchy problem, quantum theory, Dirac equation, partial differential equation, wave function, approximate solution

ABSTRACT: The following equation is studied:

$$(p_0 + V(x)c^{-1} + \alpha p_x + \beta)\Psi(x, t) = 0, \qquad (1)$$

where

$$p_0 = i\hbar c^{-1}\frac{\partial}{\partial t}, \quad p_x = -i\hbar\frac{\partial}{\partial x}, \quad \alpha^2 = 1, \quad \beta^2 = m^2c^2, \quad \alpha\beta + \beta\alpha = 0. \qquad (2)$$

This equation represents the univariate case of the Dirac equation for the wave func-

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

tion ¥. Under certain assumptions, (1) may be written in the form

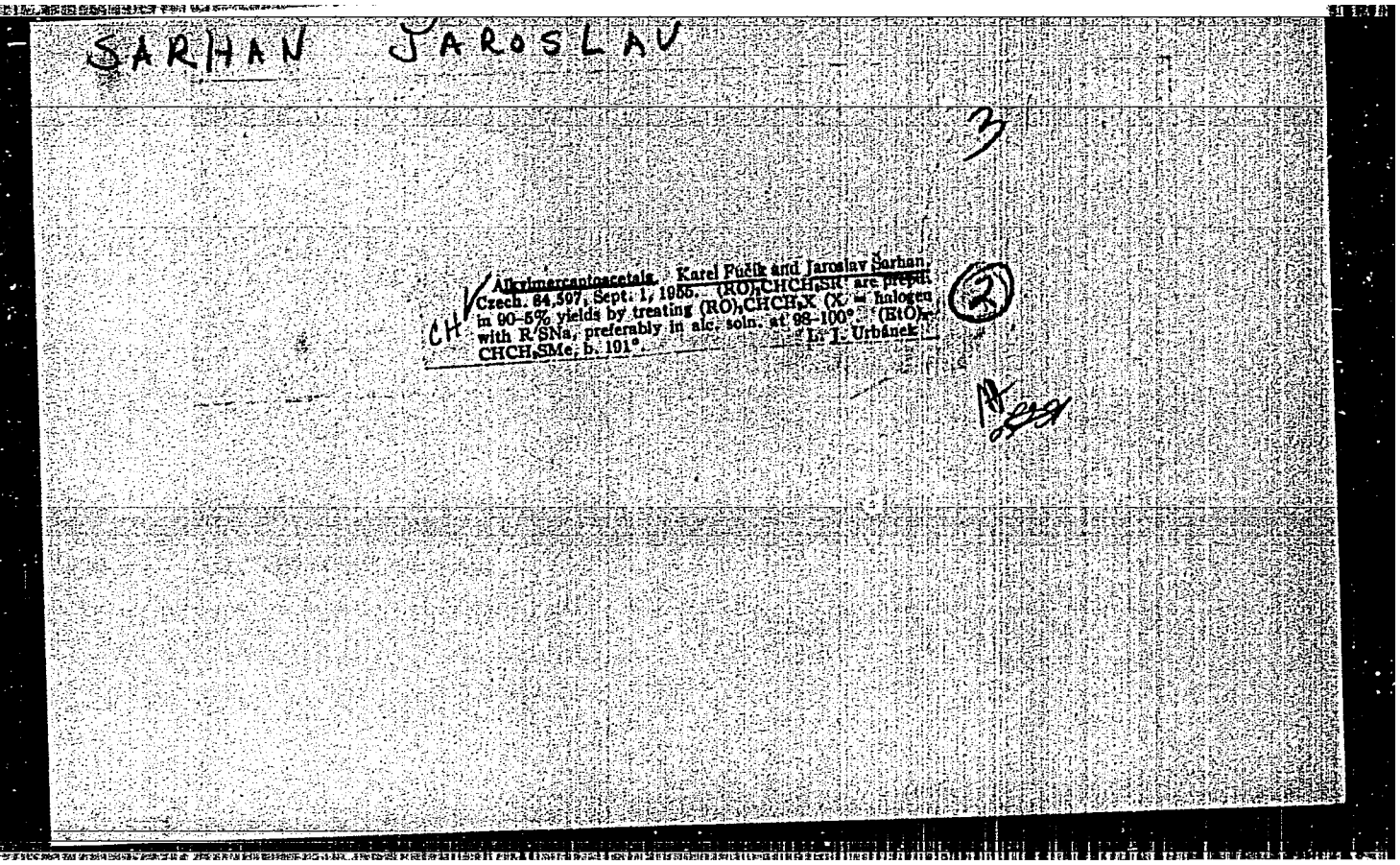
$$\left.\begin{aligned} i\frac{\partial \Psi_1}{\partial t}+\frac{\partial \Psi_2}{\partial x}+p(x)\Psi_1=0,\\ i\frac{\partial \Psi_2}{\partial t}-\frac{\partial \Psi_1}{\partial x}+r(x)\Psi_2=0. \end{aligned}\right\} \qquad (3)$$

the univariate analogue of a nonstationary Dirac system in relativistic quantum theory. Integral equations equivalent to the Cauchy problem for (3) are constructed. A theorem is stated giving the solutions of the derived system by the method of successive approximations. The author thanks Professor B. M. Levitan for formulating the problem, for his interest in the work, and for his criticism of the results. Presented by S. N. Mergelyan, Academician of the AN Armenian SSR, on 20 November 1965. Orig. art. has: 20 formulas.

SUB CODE: 12,20/ SUBM DATE: none/ ORIG REF: 002/ OTH REF: 001

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8



SARHAN JAROSLAV

3

CH

Alkylmercaptoacetals. Karel Pučik and Jaroslav Sarhan. Czech. 64,507, Sept. 1, 1955. $(RO)_2CHCH_2SR'$ are prepd. in 90–5% yields by treating $(RO)_2CHCH_2X$ (X = halogen) with R'SNa, preferably in alc. soln. at 98–100°. $(EtO)_2CHCH_2SMe$, b. 191°. L. J. Urbánek

(2)

18 Sept

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, Antal

Alarmingly high number of accidents in the railroad construction and track maintenance service. Magy vasut 8 no.10:4 16 My '64.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.

SUCHAN, M.; SARI, A.; MUZIKOVA, M., KORMANCIK, A.

Use of bentonite in roentgenologic examination of the digestive system. Cesk.onkol. 2 no.2-3:160-170 1955.

1. Onkologicky ustav v Bratislave. MUDr Milan Suchan a spolupracov., Bratislava, ul. CSA 17.

(GASTROINTESTINAL SYSTEM, radiography,
bentonite as stablitite of barium sulfate)
(BARIUM SULFATE,
stabilization with bentonite in x-ray of gastrointestinal system)
(ALUMINUM SILICATE,
stabilization of barium sulfate in x-ray of gastrointestinal system)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, Alfred, MUDr, Bratislava, ul. Cs. armady 17; SUCHAN, Milan; KORMANCIK, Alfred

Bronchography with an aqueous solution of barium sulfate. Cesk. onkol. 3 no.1:83-86 1956.

1. Onkologisches Forschungsinstitut in Bratislava.
(BRONCHI, radiography
contrast media, aqueous barium sulfate (Ger))
(BARIUM SULFATE
in bronchography, aqueous solution (Ger))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

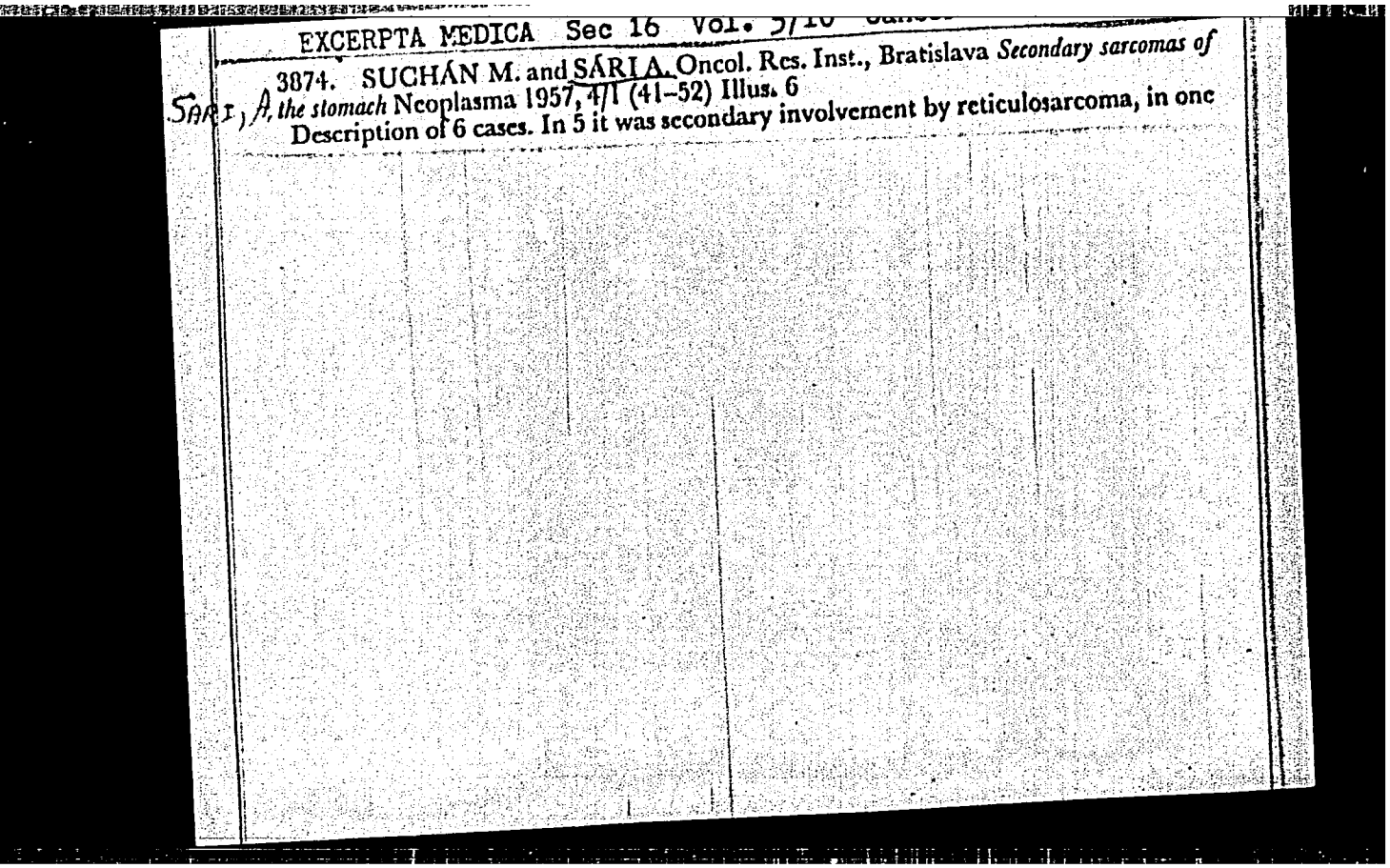
SARI, Alfred; SUCHAN, Milan; KORMANCIK, Alfred

A contribution to the diagnosis of primary sarcomas of the stomach. Cesk. onkol. 3 no.3:231-239 1956.

1. Oncological Res. Inst. in Bratislava. MUDr. A. Sari and co-workers, Bratislava, ul. Cz. armady 17.
(STOMACH NEOPLASMS, diagnosis, sarcoma)
(SARCOMA, diagnosis, stomach)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8



EXCERPTA MEDICA Sec 16 Vol. 5/10

SARIA A.

3874. SUCHÁN M. and SÁRIA. Oncol. Res. Inst., Bratislava *Secondary sarcomas of the stomach* Neoplasma 1957, 4/1 (41–52) Illus. 6

Description of 6 cases. In 5 it was secondary involvement by reticulosarcoma, in one

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

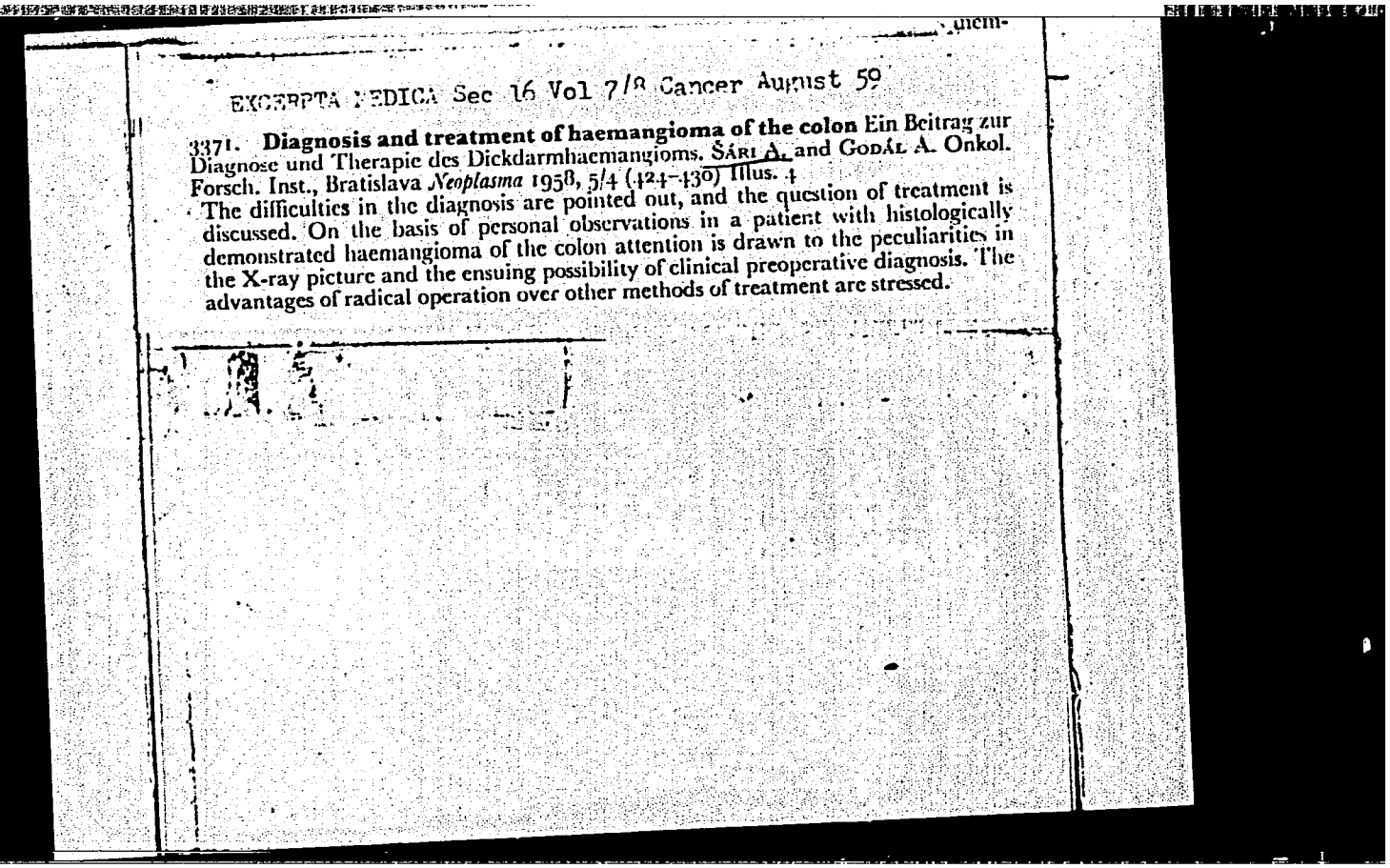
"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

3879

case secondary involvement by mycosis fungoides. A survey is given of the present state of knowledge on secondary gastric sarcomas and the possibilities of diagnosis of these tumours, which often escape attention and remain therefore not infrequently unrecognized. The comparatively frequent incidence of the endogastric form and the possibility of its diagnosis by radiological examination are pointed out.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8



EXCERPTA MEDICA Sec 16 Vol 7/8 Cancer August 59

3371. **Diagnosis and treatment of haemangioma of the colon** Ein Beitrag zur Diagnose und Therapie des Dickdarmhaemangioms. ŠÁRI A. and GODÁL A. Onkol. Forsch. Inst., Bratislava *Neoplasma* 1958, 5/4 (424–430) Illus. 4

The difficulties in the diagnosis are pointed out, and the question of treatment is discussed. On the basis of personal observations in a patient with histologically demonstrated haemangioma of the colon attention is drawn to the peculiarities in the X-ray picture and the ensuing possibility of clinical preoperative diagnosis. The advantages of radical operation over other methods of treatment are stressed.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.; KUTARNA, A.

Contribution to roentgen diagnosis of intrathoracic manifestations.
Bratisl. Lek. Listy 2 no.11:660-666 '61.

1. Z Vyskumneho ustavu onkologickeho, riaditel clen koresp. SAV doc. MUDr. V. Thurzo.

(LEUKEMIA radiog) (RESPIRATORY SYSTEM radiog)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.; KUTARNA, A.; ADAMEC, K.; DYTTERT, V.

Involvement of intrathoracic organs and structures in the course of leukemia. Neoplasma,Bratisl.8 no.1:75-87 '61.

1. Onkologisches Forschungsinstitut, Bratislava, Tschechoslowakei.
(LEUKEMIA radiog)
(THORAX radiog)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.; KUTARNA, A.; ADAMEC, K.; DYTTERT, V.

Pulmonary lymphogranulomatosis. Neoplasma 9 no.5:517-530 '62.

1. Rontgendiagnostische Abteilung des Onkologischen Forschungsinstitutes in Bratislava, CSSR.
(HODGKIN'S DISEASE) (LUNG NEOPLASMS)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.; ADAMEC, K.

Gastroduodenal invagination caused by a leiomyosarcoma of the stomach.
Neoplasma 9 no.6:579-584 '62.

1. Onkologisches Forschunginstitut, Bratislava, CSSR.
(STOMACH NEOPLASMS) (LEIOMYOSARCOMA)
(INTUSSUSCEPTION)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.

70th anniversary of MUDr Hugo Venar. Cesk. rentgenol. 16 no.3: 171-173 Je '62. (BIOGRAPHIES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.

Development and current status of roentgenology and radiology in Slovakia. Cesk. rentgenol. 16 no.3:174-181 Je '62.

1. Vyskumny ustav onkologicky v Bratislave, riaditel clen koresp. SAV, docent dr. W. Thurzo.
(RADIOLOGY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, Alfred; KUTARNA, Andrej; ADAMEC, Karol; DYTTERT, Vladimir

Lymphogranuloma of the lung. Cesk. rentgenol. 16 no.3:201-209 Je '62.

1. Rentgenologické oddeleni Vyskumneho ustavu onkologickeho v Bratislave, prednosta dr. A. Sari.
(HODKIN'S DISEASE radiog) (LUNG NEOPLASMS radiog)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A., referuje dr.

On some problems in the current struggle against cancer in Sweden.
Bratisl. lek. listy 42 no.11/12:682-686 '62.
(NEOPLASMS)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

2

KUTARŇA, A; ŠÁHI, A, MUDr.

Czechoslovakia

X-Ray Department of the Experimental Institute of Oncology in Bratislava -- Bratislava (Röntgenologické oddelenie Výskumného ústavu onkologického v Bratislave -- Bratislava); Director: A. ŠÁHI, MUDr. - (for all)

Prague, Rozhledy v tuberkulóse, No 1, 1963, pp 35-38

"Comments on the Question of Septal Linear Opacities in Leukemia."

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, A.; LISKA, J.; JUDIN, J.

Gastric melanoma metastases caused by exroderma pigmentosium.
Neoplasma 10 no.6:641-650 '63.

1. Onkologisches Forschungsinstitut, Bratislava, CSSR.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

VERNAR,H.; SARI,A.

Congenital diverticulum of the duodenal Bulb. Cas.lek.cesk. 103 no.4:93-98 24 Ja'64.

1. Detska fakultna nemocnica v Bratislave (prednosta: doc. dr. J.Jakubcova) a Vyskumny ustav onkologicky v Bratislave; (prednosta: doc.dr. V.Thurzo.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

ADAMEC,K.; SARI, A.; KUTARNA, A.

Contribution to the differential diagnosis of necrotic cancer and abscess of the lung. Bratisl. lek. listy 45 no.3:153-158 15 F '65.

1. Vyskumny ustav onkologicky v Bratislave (riaditel: clen koresp. Slovenskej akademie vied V. Thurzo).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, Balint, dr.; GOOZ, Katalin, dr.; DAN, Sandor, dr.

Photometric determination of serum beta-lipoproteins with the Burstein and the Brie-Hoeflmayr methods. Orv. hetil. 106 no.16: 743-744 18 Ap '65

1. Debreceni Orvostudomanyi Egyetem, I. Belklinika (igazgato: Fornet , Bela, dr.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

L 13507-66

ACC NR: AP6007039 SOURCE CODE: HU/0018/65/017/003/0253/0257

AUTHOR: Sari, Balint--Shari, B.; Nagy, Imre --Nadi, I.; Fulop, Tibor--Fyulep, T.

ORG: Medical University of Debrecen, I. Medical Clinic, Institute of Anatomy (Debreceni Orvostudomanyi Egyetem, I. Belklinika es Anatomiai Intezet)

TITLE: Effect of hypothalamic lesion on the serum cholesterol level

SOURCE: Kiserletes orvostudomany, v. 17, no. 3, 1965, 253-257

TOPIC TAGS: brain, neurology, CNS, blood serum, animal physiology

ABSTRACT: The serum cholesterol level was determined weekly following electric lesion of the anterior and posterior nuclei of the hypothalamus. The serum cholesterol level rose following injury to either the anterior or the posterior hypothalamic nuclei. The maximum increase was reached by the end of the third week and the level returned to nearly normal by the end of the fourth week and the level returned to nearly normal by the end of the fourth week. Orig. art. has: 5 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 08Jul64 / ORIG REF: 010 / OTH REF: 013

Card 1/1 NW

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

KRATOCHVIL, M.; SARI, F.; VIDO, I.

Experiences with percutaneous transhepatic cholangiography. Bratisl. lek. listy 42 no.4:193-198 '62.

1. Z Vyskumneho ustavu onkologickeho v Bratislave, riaditel clen koresp. SAV V. Thurzo, a z III internej kliniky Lek. fak. Univ. Komenskeho v Bratislave, veduci prof. MUDr. T. R. Niederland.

(CHOLANGIOGRAPHY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARI, Vince

The Dusseldorf Days of Founding. Koh lap 95 no.12:Suppl.:Ontode 13 no.12:284-286 D '62.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

KALMAN, Lajos; SARI, Vince

Foundry days at Dusseldorf. Technika 7 no.3:3 Mr '63.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

BENYOVSZKY, Moric, fotechnologus; DERY, Ferenc; SZASZ, Jozsef; HORVATH, Jozsef; KAIMAN, Lajos; SARI, Vince

Prevention of foundry hazards by technological measures. Koh lap 96 no. 5: Supplement: Ontode 14 no. 5: 106-112 My '63.

1. KGMTI (for Benyovszky).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

ACC NR: AR6035416 SOURCE CODE: UR/0137/66/000/009/G023/G023

AUTHOR: Shishkhanov, T. S.; Rabinovich, Ye. M.; Kudinova, K. G.; Sariadi, F. S.; Kazanskaya, L. N.

TITLE: Reduction of titanium-hydride with increased hydrogen content

SOURCE: Ref. zh. Metallurgiya, Abs. 9G167

REF. SOURCE: Sb. Proiz-vo stali i splavov i vliyaniye obrabotki na nikh svoystva. Tula, 1965, 31-35

TOPIC TAGS: titanium compound, metal hydride, chemical reduction, hydration

ABSTRACT: Titanium powder reduced by Ca hydride (IMTU 987-63), titanium sponge TG-00 produced by a magnesium-thermal process (MRTU-14 no. 19-64), and electrolytic iron produced by the method of dissolved anodes, were all hydrated with H_2 of 99.99% purity containing $\leq$ 0.003% of O_2 and $\leq$ 0.2 g/m^3 of moisture. The optimal hydration condition was determined, namely hydration temperature 650°, soaking at this temperature, flow of H_2 of 0m^2/hr until the end of absorption, and cooling in air at a flow of $H_2 \leq 0.5$ m^3/hr. Introduction of these conditions in industry has ensured production of titanium hydride with a stable hydrogen content of 3.8 -- 3.98%, and has improved the productivity of the plant. A. Shmeleva. [Translation of abstract]

SUB CODE: 11, 07

Card 1/1 UDC: 669.295.4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARIBAN, B.M., inzhener; BUTIN, I.I.

Improve the operation of non self-propelled vessels. Rech.transp. 16 no.7:20 Jl '57. (MLRA 10:9)

1. Nachal'nik sudovoy sluzhby Severo-Zapadnogo parokhodstva (for Sariban). 2. Nachal'nik sluzhby nesamokhodnogo flota (for Butin).
(Towing) (Barges)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

KUBLANOVSKIY, Yakov Solomonovich; SARIBAN, Mark Mikhaylovich; DEM'YANCHENKO, Georgiy Vasil'yevich; LYUSTIBERG, V.F., inzh., ved. red.; PONOMAREV, V.I., tekhn. red.

[Klystron generator. UIP-4K impulse device for determining the uniformity of the characteristic impedance of a coaxial cable] Klistronnyi generator. Impul'snyi pribor UIP-4k dlia opredeleniia odnorodnosti volnovogo soprotivleniia koaksial'nogo kabelia. [By] G.V.Dem'ianchenko. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 36. No.P-58-36/9) (MIRA 16:3)
(Klystrons) (Coaxial cables--Measurement)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

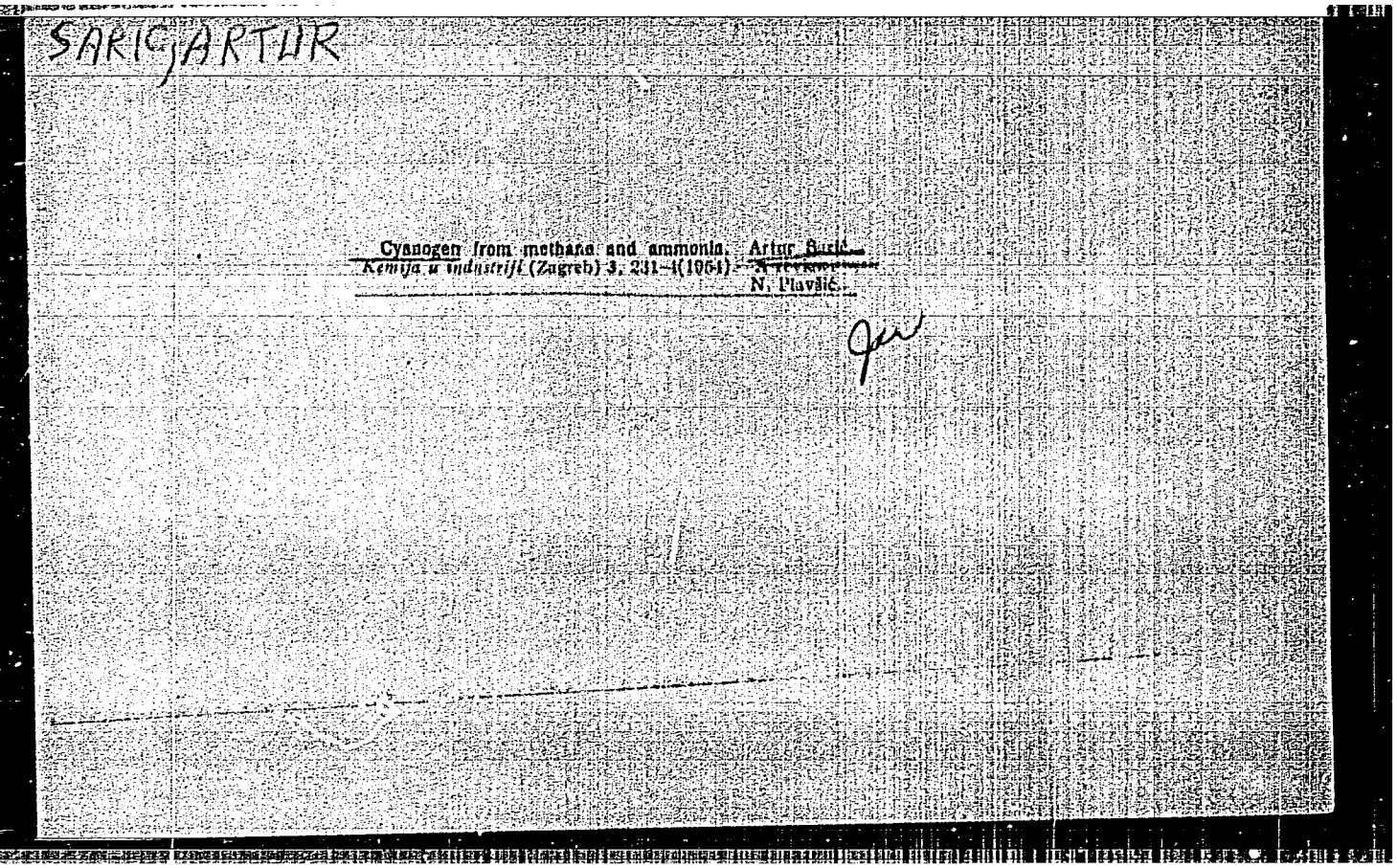
SARIBEKYAN, A.D.

Acarinina in the boundary layers of the Lower and Middle Eocene in the Nal'chik region of the Northern Caucasus. Izv. AN Arm. SSR Nauki o zem. 17 no.6:37-51 '64 (MIRA 18:2)

1. Yerevanskiy gosudarstvennyy universitet.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8



SARIC ARTUR

Cyanogen from methane and ammonia. Artur Šarić
Kemija u industriji (Zagreb) 3, 231–4(1954). N. Plavšić.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

JANCIKOVIC, Milan; BAUER, Miso, inz.; KLEINER, Ivo, inz.; SARIC, Ljubo, inz.

From the Federation of Construction Engineers and Technicians of Croatia. Gradevinar 16 no.12:454-462 D '64.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8

SARIC, M.

A method and made for conducting systematic examinations within the framework of health services in industry. Arch.hig.rada 10 no.4: 277-344 '59.

1. Institut za medicinska istrazivanja i medicinu rada Jugoslavenske akademije znanosti i umjetnosti, Zagreb
(INDUSTRIAL MEDICINE)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001447210004-8"